Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	05/30/2022 10:24 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124138	-1	1.88	124116	1.84
Blue	F	SSC	125000	121920	-3	3.24	122466	3.22
Blue	E	FITC	13602	13222	-3	2.53	371	13.74
Blue	D	PE	24891	24590	-2	1.90	585	10.90
Blue	B	PerCP-Cy5-5	33972	32994	-3	3.29	938	15.19
Blue	A	PE-Cy7	22865	22682	-1	5.08	470	30.28
Red	C	APC	47198	46472	-2	2.73	1603	11.52
Red	A	APC-Cy7	26454	25460	-4	3.09	721	12.42
Violet	B	V450	6737	6434	-5	4.28	450	12.01
Violet	A	V500	29317	28166	-4	3.86	964	8.98

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23753	3.34	562	27	N/A	N/A	Pass
Blue	F	SSC	54861	2.35	521	0	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0436	222	Pass
Blue	D	PE	113	39.41	491	5	0.3404	254	Pass
Blue	B	PerCP-Cy5-5	149	41.34	584	5	0.0191	54	Pass
Blue	A	PE-Cy7	78	83.56	628	7	0.0235	17	Pass
Red	C	APC	334	26.23	576	4	0.0282	208	Pass
Red	A	APC-Cy7	135	34.42	553	2	0.0061	1128	Pass
Violet	B	V450	77	48.08	450	0	0.0507	2168	Pass
Violet	A	V500	113	34.00	470	1	0.0232	1153	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.94	-31.67	1.04
Blue	20.35	16.28 - 24.42	1.29	1.03 - 1.55	0.00	0.00	1.43
Red	14.88	13.90 - 20.86	N/A	N/A	30.03	30.33	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.77

Threshold

Threshold (FSC): 10222

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments